

Docket No. 280378US0PCT



MAIL STOP PCT PCT
1457 Rec'd PCT/PTO 07 MAR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Markus OLES, et al.

SERIAL NO: 10/556,092

GAU:

FILED: November 9, 2005

EXAMINER:

FOR: USE OF PARTICLES HYDROPHOBIZED BY FLUOROSILANES FOR THE PRODUCTION OF SELF-CLEANING SURFACES HAVING LIPOPHOBIC, OLEOPHOBIC, LACTOPHOBIC AND HYDROPHOBIC PROPERTIES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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U.S. PCT Application Serial No: 10/556,092

Filed: November 9, 2005

Markus OLES, et al.

Docket No. 280378US0PCT



STATEMENT OF RELEVANCY

- 1) References have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AM-AAG are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.



Form PTO 1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.
280378US0PCT

SERIAL NO.
10/556,092

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Markus OLES, et al.

FILING DATE
November 9, 2005

GROUP 1792

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|----------|----------------|-------|--------------|-------------------------------|
| /E.T.L./ | AA | 2002 0192385 | 12/19/02 | JENKNER et al. | | | |
| | AB | 2002 0150723 | 10/17/02 | OLES et al. | | | |
| | AC | 6 858 284 | 02/22/05 | NUN et al. | | | |
| | AD | 6 811 856 | 11/02/04 | NUN et al. | | | |
| | AE | 2005 0103457 | 05/19/05 | NUN et al. | | | |
| | AF | 2005 0208269 | 09/22/05 | NUN et al. | | | |
| | AG | 2005 0112326 | 05/26/05 | NUN et al. | | | |
| | AH | 2005 0163951 | 07/28/05 | OLES et al. | | | |
| | AI | 2005 0167877 | 08/04/05 | NUN et al. | | | |
| | AJ | 2005 0227045 | 10/13/05 | OLES et al. | | | |
| | AK | 2003 0049396 | 03/13/03 | OLES et al. | | | |
| | AL | 2004 0154106 | 08/12/04 | OLES et al. | | | |
| /E.T.L./ | AM | 3 354 022 | 11/21/67 | DETTRE et al. | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|----------|-----|--------------------|----------|----------------------------|-------------|----|
| | | | | | YES | NO |
| /E.T.L./ | AN | 09 220518 | 08/26/97 | JP (English abstract only) | | NO |
| | AO | 96 04123 | 02/15/96 | WO (with English abstract) | | NO |
| | AP | 0 933 388 | 08/04/99 | EP | | NO |
| | AQ | 7 328532 | 12/19/95 | JP | | NO |
| | AR | 268258 | 08/16/50 | CH | | NO |
| | AS | 101 29 116 | 12/19/02 | DE | | NO |
| | AT | 101 38 036 | 02/20/03 | DE | | NO |
| | AU | 101 34 477 | 02/06/03 | DE | | NO |
| | AV | 199 04 132 | 08/10/00 | DE | | NO |
| | AW | 1 033 395 | 09/06/00 | EP | | NO |
| | AX | 198 23 390 | 12/16/99 | DE | | NO |
| | AY | 101 18 345 | 10/17/02 | DE | | NO |
| | AZ | 101 18 352 | 10/17/02 | DE | | NO |
| | AAA | 101 18 351 | 10/17/02 | DE | | NO |
| | AAB | 101 18 346 | 10/17/02 | DE | | NO |
| | AAC | 101 18 348 | 10/17/02 | DE | | NO |
| /E.T.L./ | AAD | 101 18 349 | 10/17/02 | DE | | NO |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----------|-----|---|--|
| /E.T.L./ | AAE | A.A. Abramson in Chimia i Shisn russ. 11, pages 38-41 1982 | <input type="checkbox"/> Additional References sheet(s) attached |
|----------|-----|---|--|

Examiner /Elena Tsoy Lightfoot/

Date Considered 04/16/2009

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

280378US01 P.01

SERIAL NO.

10/556,092

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Markus OLES, et al.

FILING DATE

November 9, 2005

GROUP

1792

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

/E.T.L./

AAF

NEINHUIS et al. "Characterization and Distribution of Water-repellent, Self-cleaning Plant Surfaces", Annals of Botany, vol. 79, pages 667-677 1997

/E.T.L./

AAG

MIWA et al. "Effects of the Surface Roughness on Sliding Angles of Water Droplets on Superhydrophobic Surfaces", Langmuir, vol. 16, pages 5754-5760 2000

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Examiner /Elena Tsoy Lightfoot/

Date Considered 04/16/2009

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| | | |
|---|-------------------------------|------------------------|
| LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56 | Docket No.: 280378US0PCT | Serial No.: 10/556,092 |
| | Inventor: Markus OLES, et al. | |
| | Filing Date: November 9, 2005 | Group: 1792 |

LIST OF RELATED CASES

| <u>Examiner Initial</u> | <u>Docket No.</u> | <u>Serial or Patent Number</u> | <u>Filing or Issue Date</u> | <u>Patent App. Publication No.</u> | <u>Inventor or Applicant</u> |
|-----------------------------|-------------------|--|---------------------------------|--|----------------------------------|
| /E.T.L./ | 280378US0PCT* | 10/556,092 | 11/09/05 | | OLES, et al. |
| /E.T.L./ | 211930US0 | 10/035,206 | 01/04/02 | US2002/0192385 A1 | JENKNER, et al. |
| /E.T.L./ | 215651US0 | 10/118,257 | 04/09/02 | US2002/0150723 A1 | OLES, et al. |
| /E.T.L./ | 215649US0 | 6,858,284 | 02/22/05 | | NUN, et al. |
| /E.T.L./ | 215652US0 | 6,811,856 | 11/02/04 | | NUN, et al. |
| /E.T.L./ | 257763US0PCT | 10/506,238 | 09/08/04 | US2005/0103457 A1 | NUN, et al. |
| /E.T.L./ | 258043US0PCT | 10/506,994 | 06/06/05 | US2005/0208269 A1 | NUN, et al. |
| /E.T.L./ | 258014US0PCT | 10/506,993 | 09/09/04 | US2005/0112326 A1 | NUN, et al. |
| /E.T.L./ | 258045US0XPCT | 10/506,236 | 03/23/05 | US2005/0163951 A1 | OLES, et al. |
| /E.T.L./ | 258011US0XPCT | 10/506,604 | 03/28/05 | US2005/0167877 A1 | NUN, et al. |
| /E.T.L./ | 263603US3XPCT | 10/519,951 | 12/29/04 | US2005/0227045 A1 | OLES, et al. |
| /E.T.L./ | 266369US0PCT | 10/526,559 | 03/04/05 | | NUN, et al. |
| /E.T.L./ | 276949US0 | 11/312,469 | 12/21/05 | | NUN, et al. |
| /E.T.L./ | 276972US0 | 11/312,340 | 12/21/05 | | HENNIGE, et al. |
| /E.T.L./ | 276945US0PCT | 10/546,979 | 08/26/05 | | NUN, et al. |
| /E.T.L./ | 278385US0 | 11/321,285 | 12/21/05 | | OLES, et al. |

*Present Application; listed for information
NFO/hah



| | | | | | |
|----------|---------------|------------|----------|----------------------|--------------|
| /E.T.L./ | 278381US0 | 11/312,557 | 12/21/05 | | OLES, et al. |
| /E.T.L./ | 222324US0XPCT | 10/111,407 | 05/06/02 | | OLES, et al. |
| /E.T.L./ | 225982US0XPCT | 10/239,635 | 09/24/02 | US2003/0049396 A1 | OLES, et al. |
| /E.T.L./ | 242932US0XPCT | 10/474,624 | 02/19/04 | US2004/0154106 A1 | OLES, et al. |

Examiner /Elena Tsou Lightfoot/

Date Considered 04/16/2009